

---

**SIRT6, 1-355aa, Human, His tagged, Recombinant, E.coli**

**Cat.NO.: TP03947**

3th Edition

**Synonyms:**sirtuin (silent mating type information regulation 2 homolog) 6 (*S. cerevisiae*), sirtuin 6, SIR2L6

**Description:**The SIRT6 is included in class IV of the sirtuin family, homologs to the yeast Sir2 protein. The functions of human sirtuins have not yet been determined; however, in yeast sirtuins are known to regulate epigenetic gene silencing. Also SIRT6, a chromatin-associated protein, appears to be involved in DNA repair. Recombinant SIRT6, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 20% glycerol, 1mM DTT, 0.1M NaCl, 0.1mM PMSF.

**Molecular Weight:**41 kDa (375 aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMSVNYAAGLSPYADKGGKCGLEIFDPPEELERKVVWELARLVWQSSSVVFHTGAG  
ISTASGIPDFRGPBGVWTMEERGLAPKFDITTFESARPTQTHMALVQLERVGLLRFLVSQNVDGLHVRSGFPRDKLA  
ELHGNMFVEECAKCKTQYVRDVTGGTMGLKATGRLCTVAKARGLRACRGELRDTILDWEDSLPDRDLALADEASR  
NADLSITLGTSLQIRPSGNLPLATKRRGGRLVIVNLQPTKHDRHADLRHGYVDEVMTRLMKHLGLEIPAWDGPVRL  
ERALPPLPRPPTPKLEPKESPTRINGSIPAGPKQEPCAQHNGSEPASPKRERPTSPAPHRPPKRVKAKAVPS

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.